

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A holographic viewing device ~~in which~~ comprising:
a frame member and
a computer-generated hologram constructed as a transmission Fourier transform
hologram is fitted in a frame member,
the computer-generated hologram further including:
a peripheral site which does not contain at least one of a phase information and an
amplitude information ~~wherein at least one of phase information and amplitude information~~
~~recorded in a certain predetermined peripheral site of the computer generated hologram relative~~
~~to an input pattern reconstructible from the computer generated hologram is removed.~~
2. (currently amended): The holographic viewing device according to claim 1, wherein
the computer-generated hologram comprises a phase hologram, and the ~~phase information~~
~~recorded in a certain predetermined peripheral site of the computer generated hologram relative~~
~~to an input pattern reconstructible from the computer generated hologram is removed~~ does not
contain phase information.

3. (original): The holographic viewing device according to claim 1, wherein the computer-generated hologram has a phase distribution multivalued to four or more levels.

4. (currently amended): The holographic viewing device according to claim 1, wherein the computer-generated hologram is in a rectangular matrix form in which a number of minuscule computer-generated hologram elements having identical characteristics are set together in parallel, and ~~a minuscule computer-generated hologram element is removed from~~ any one of pre-determined four corners of the computer-generated hologram does not contain a hologram element.

5. (original): The holographic viewing device according to any one of claims 1 to 4, wherein input image patterns recorded in computer-generated holograms fitted in right and Left frames of the viewing device have binocular parallax.

6. (currently amended): A computer-generated hologram for a holographic viewing device, which is constructed as a transmission Fourier transform hologram for the holographic viewing device, comprising:

a peripheral site which does not contain at least one of a phase information and an amplitude information ~~wherein at least one information and amplitude information recorded in certain predetermined peripheral site of the computer-generated hologram relative to an input pattern reconstructible from the computer-generated hologram is removed.~~

7. (currently amended): The computer-generated hologram according to claim 6, wherein the computer-generated hologram comprises a phase hologram, and the peripheral site does not contain the phase information~~recorded in a certain predetermined peripheral site of the computer-generated hologram relative to an input pattern reconstructible from the computer-generated hologram is removed.~~

8. (original): The computer-generated hologram according to claim 7, wherein a phase distribution is multivalued to four or more levels.

9. (currently amended): The computer-generated hologram according to any one of claims 6 to 8, wherein the computer-generated hologram is in a rectangular matrix form in which a number of minuscule computer-generated hologram elements having identical characteristics are set together in parallel and ~~a minuscule computer-generated hologram element is removed from any one of predetermined four corners of the computer-generated hologram~~ does not contain a hologram element.